

**Programmable analog array circuit**

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

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 US6748370 (B2)  
 US2002059160 (A1)

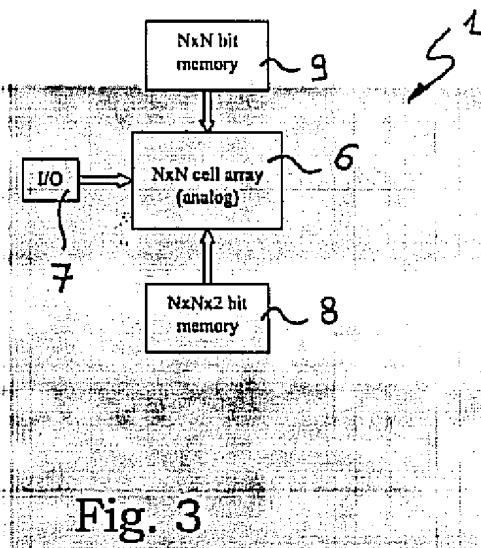
Cited documents:

 US5691664  
 US5680070  
 XP000965128  
 XP000964669  
 XP002153385

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**Abstract of EP1170671**

The invention relates to an integrated cellular network structure, being programmable to solve partial derivative differential equations in order to control a phenomenon of diffusion or a propagation of electric drive pulses for robot actuators. Advantageously, such structure comprises analog and digital portions interconnected with each other; the analog portion includes a matrix array (6) of analog cells (2) arranged to receive data from an I/O interface (7), and the digital portion includes first and second memory arrays (8,9) for storing a desired configuration and the initial state of such analog matrix array (6), respectively.



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